



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D350-561-141
Job Sheet 176101



002821

Part No: D350-561-141

Job Qty: 1 ea

Part Name: Single Mirror Installation RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/17/18

Job Tracking No:

Due Date: 4/24/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV N/A IPP A 07.07.26 new issue (DSI9379) EC verified by:JLM IPP rev B 10.02.16 per ecn 10-523
EC verified by: DD IPP Rev:C add pick kit DD 10.03.15 verified by:EC IPP Rev:D 10.09.14 per IIN revD DD
verified by:EC

Ship Via:

10 3-89 chg003 DAS 21 9-86 see attachment

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	4/24/18	4/24/18	0.00	0.00	Start Up Stores/Pkg-2		APR 27 2018
105	Packaging	1 pcs	4/24/18	4/24/18	0.00	0.00	Packaging1-3		MAY 01 2018
110	QC	1 pcs	4/24/18	4/24/18	0.00	0.00	QC4		Sms
115	DC	1 pcs	4/24/18	4/24/18	0.00	0.00	DC		Sms
120	Packaging	1 pcs	4/24/18	4/24/18	0.00	0.00	Packaging3-1		
130	QC21-FG	1 Ea	4/24/18	4/24/18	0.00	0.00	QC21		MAY 01 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-5A	Bolt	6 Ea (6 ea)	90-Start up Operation	5041106
AN3-6A	Bolt	1 Ea (1 ea)	90-Start up Operation	5000530
AN4-10A	Bolt	1 Ea (1 ea)	90-Start up Operation	FH137412-0
AN4-5A	Bolt	3 Ea (3 ea)	90-Start up Operation	5027725
D2011-101	Mirror 6"	1 Ea (1 ea)	90-Start up Operation	F160663
D2012-105	Arm (31.06)	1 Ea (1 ea)	90-Start up Operation	5000474
D2012-107	Clevis	1 Ea (1 ea)	90-Start up Operation	5040986
D2012-111	Bracket	1 Ea (1 ea)	90-Start up Operation	F158852
D2012-115	Bracket, Clevis	1 Ea (1 ea)	90-Start up Operation	F160794
D2022-101	Spacer	2 Ea (2 ea)	90-Start up Operation	5055289
D3629-1	Bracket	1 Ea (1 ea)	90-Start up Operation	F163346
D3635-1	Gasket	1 Ea (1 ea)	90-Start up Operation	F145041
D3646-1	Arm	1 Ea (1 ea)	90-Start up Operation	5064366
D3646-3	Arm	1 Ea (1 ea)	90-Start up Operation	5034747
D4070-041	Clamp	2 Ea (2 ea)	90-Start up Operation	5056921
MS21042L3	Nut	4 Ea (4 ea)	90-Start up Operation	F158755X1
MS21042L4	Nut	4 Ea (4 ea)	90-Start up Operation	5038764x2
NAS1149D0363J	Washer	8 Ea (8 ea)	90-Start up Operation	5054118
NAS1149D0463J	Washer	8 Ea (8 ea)	90-Start up Operation	5015209
				5045845

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3-5A	6	394	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/S ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned ☐		OTHER : ☐					

or

DART
AEROSPACE

Container No: **S067227**

Part: D350 - 561 - 141

Job No: 176101

Serial No/Batch: **S067227**

Revision: _____

Inspector: _____

Date: 05/01/18

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www.dartaerospace.com

AN3-6A	1	255	0
AN4-10A	1	93	0
AN4-5A	3	88	0
D2011-101	1	46	0
D2012-105	1	5	0
D2012-107	1	39	0
D2012-111	1	7	0
D2012-115	1	2	0
D2022-101	2	77	0
D3629-1	1	10	0
D3635-1	1	7	0
D3646-1	1	0	0
D3646-3	1	2	0
D4070-041	2	9	0
MS21042L3	4	2,421	0
MS21042L4	4	3,229	0
NAS1149D0363J	8	2,742	0
NAS1149D0463J	8	4,881	0

Part Specifications

Specifications could not be found.

Plex 4/17/18 9:09 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
☐ OTHER : _____					

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Description: SINGLE CARGO MIRROR INSTALLATION, RH (REPLACES -041)

H:\Forms\Engineer\Approved Eng Online\CHGREC revB

5. PARTS LIST

Qty -041	Qty -043	Qty -045	Qty -141	Qty -143	Qty -241	Qty -243	Part Number	Description
X	1						D350-561-041	SINGLE MIRROR INSTALLATION, RH
	X						D350-561-043	DUAL MIRROR INSTALLATION, RH
	1	X		1		1	D350-561-045	MIRROR KIT
			X	1			D350-561-141	SINGLE MIRROR INSTALLATION, RH
				X			D350-561-143	DUAL MIRROR INSTALLATION, RH
					X	1	D350-561-241	SINGLE MIRROR INSTALLATION, LH
						X	D350-561-243	DUAL MIRROR INSTALLATION, LH
1		1	1		1		D2011-101	Mirror
1							D2012-101	Arm
1							D2012-103	Arm
1			1				D2012-105	Arm
					1		D2012-106	Arm
2			1		1		D2012-107	Clevis
1							D2012-109	Bracket
1			1		1		D2012-111	Bracket
4		2					D2012-113	Clamp
1			1		1		D2012-115	Bracket
4			2		2		D2022-101	Spacer
4							D2856-100-325	Abrasion Strip
1*		1*	1*		1*		D3014-1	Locknut
			1		1		D3629-1	Bracket
			1		1		D3635-1	Gasket
		2					D3635-3	Gasket
			1				D3646-1	Arm
					1		D3646-2	Arm
			1				D3646-3	Arm
					1		D3646-4	Arm
			2		2		D4070-041	Clamp
2							AN3-4A	Bolt
2		2	6		6		AN3-5A	Bolt
1			1		1		AN3-6A	Bolt
2			1		1		AN4-10A	Bolt
3			3		3		AN4-5A	Bolt
14		4	8		8		AN960JD10	Washer
9		2	8		8		AN960JD416	Washer
1*		1*	1*		1*		AN960JD416L	Washer
5		2	4		4		MS21042L3	Nut (or MS21042-3)
5			4		4		MS21042L4	Nut (or MS21042-4)

*INCLUDED AS PART OF D2011-101 MIRROR